

ABSTRACT OF THE DISCLOSURE

- A steel for a high bearing pressure-resistant member, having a high machinability. The steel is formed of a machine structural steel comprising carbon in an amount ranging from 0.15 to 0.25% by weight, silicon in an amount of not less than 0.4 % by weight, nickel in an amount ranging from 1 to 3 % by weight, chromium in an amount ranging from 1.2 to 3.2 % by weight, and molybdenum in an amount ranging from 0.25 to 2.0 % by weight. The machine structural steel contains carbide precipitated under a heat treatment for spheroidizing. The carbide has an average particle size of not larger than 1  $\mu\text{m}$  and the maximum particle size of not larger than 3  $\mu\text{m}$ .